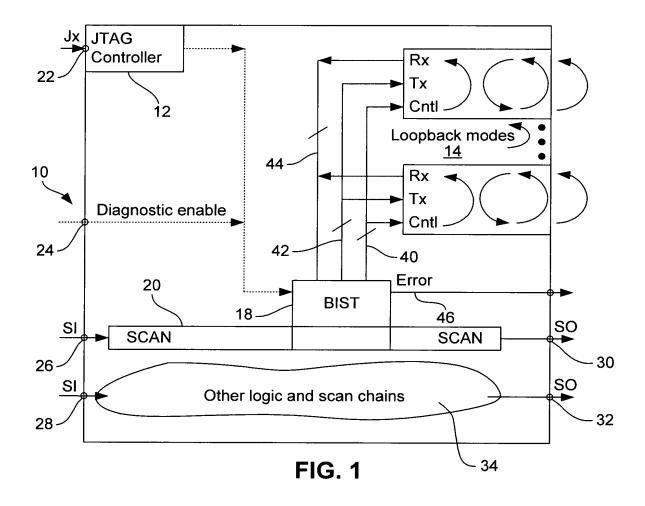
Sheet 1 of 5



Inventor: Antonio Marroig Martinez

Title: PROGRAMMABLE BUILT-IN SELF-TEST CIRCUIT FOR SERIALIZER/DESERIALIZER CIRCUITS AND METHOD

Attorney: Pamela L. Kee (408) 553-3059 PDNO: 10030374-1

## Sheet 2 of 5

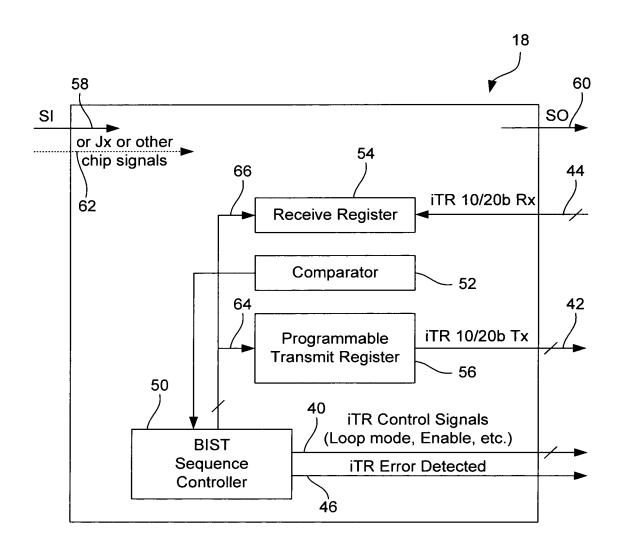


FIG. 2

## Sheet 3 of 5

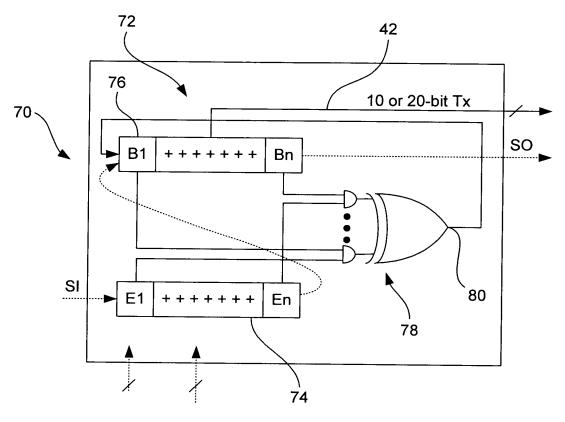


FIG. 3

Sheet 4 of 5

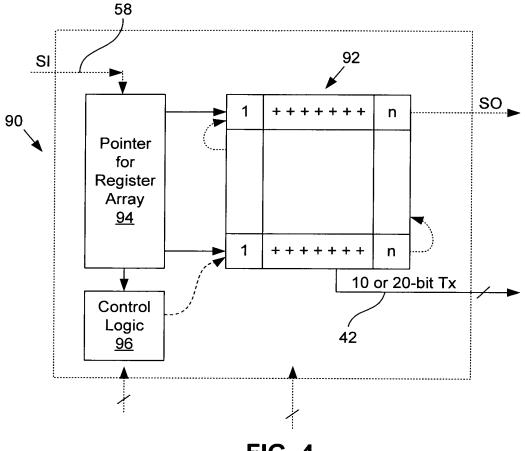


FIG. 4

## Sheet 5 of 5



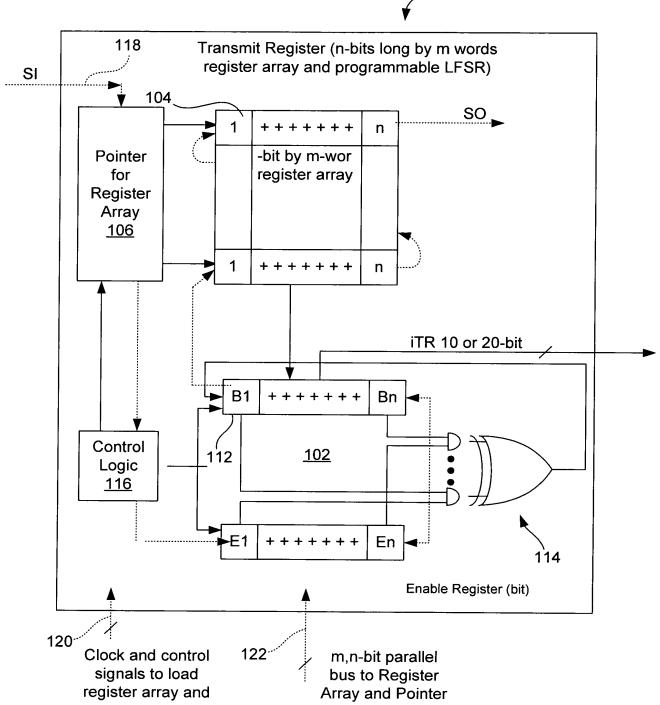


FIG. 5